

**Amendments to the claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of claims:**

1 - 15 (canceled).

16 (currently amended)      **A method for providing integrated genomic services comprising:**

**(a) receiving a first request from a customer, wherein said request comprises a first nucleic acid sequence and an order for at least one genomics product, wherein said request comprises a website customer interface that comprises a field for a customer identification number, a field for said first nucleic acid sequence and a field for said at least one genomics product;**

**(b) utilizing said nucleic acid sequence to provide said at least one genomics product;**

**(c) storing a first genomic product report for said at least one genomics product in a customer report database, wherein said first genomic product report contains searchable genomic product data;**

**(d) receiving a second request from said customer, wherein said second request comprises a second order for at least one genomics product and a second nucleic acid sequence;**

**(e) comparing said second order and/or said second nucleic acid sequence against said genomics product report to determine if said second request or nucleic acid sequence is redundant; and** ~~The method of claim 3 further comprising~~

**(f) querying said customer to proceed with said second request if said second request or nucleic acid sequence is redundant.**

17 - 20 (canceled).

21 - 31 (not entered).

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